

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124 TASK NO. 288 AMENDMENT	582-629-50-30-89	FY00

TASK TITLE: (NTE 80 characters; include Project name)

ST-5 C&DH Flight Software

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)

David K. Leucht	DATE: 06 June 2000	ORG CODE: 582	MAIL CODE: 582.1	PHONE: 301-286-4460
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BRANCH HEAD	DATE	CODE	PHONE
Elaine Shell	6/6/00	582	301-286-2628

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE
Robert S. Lehair, Jr. Deborah A. Clark	6/6/00	560	301-286-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP. See for L. Moore Lafry Moore	DESIGNATED FAM:
[] NO [X] YES		

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: JUN 9 2000

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [] YES [] N/A

Government Furnished Property/Facilities: [X] NO [] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [] NO [X] YES If yes: [X] TOTAL [] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] NO [] YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The effective date of this Task Order is the date of the Contracting Officer's signature below.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	<u>X</u> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 678,198

The target fee of this task order is \$ 43,446

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 721,644

The maximum fee is \$ 63,498

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

ELIZABETH J. AUSTIN
CONTRACTING OFFICER

SIGNATURE OF CONTRACTING OFFICER

DATE

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5-	TASK NO.	AMENDMENT
	99124	288	

Applicable paragraphs from contract Statement of Work: Functions 2D-6 and 2E-5

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide software engineering development and test services for the ST-5 C&DH Flight Software.

The contractor shall provide requirements gathering and analysis, software design, coding, integration, and documentation. The software functions to be developed or ported (from similar software used on MAP/WARP) are the, Command and Telemetry interfaces management software, the Software Bus, the solid state recorder management software, the EDAC memory management software, the Health & Safety software, the memory dwell software, and the memory checksum management software. The contractor's software developers shall also support the flight software reviews, as needed.

Additionally, the contractor shall provide Flight Software verification test services for all functionality contained within the ST-5 Flight Software. The contractor shall review Flight Software requirements for testability, prepare a Flight Software test plan, develop STOL procedures for build verification tests and Flight Software acceptance tests, develop the Flight Software test matrices, perform build verification and acceptance testing, and prepare written build verification and acceptance test reports. The contractor's test engineers shall also support ST-5 project and Flight Software reviews, as needed.

Also the contractor shall provide Software Configuration Management services as needed to configure and control the builds of the ST-5 Flight Software.

PERFORMANCE SPECIFICATIONS:

Requirements, design, coding, and test standards shall be in accordance with standard practices within Code 582 and the ST-5 Mission Assurance Requirements.

APPLICABLE DOCUMENTS:

Not applicable.

TASK END DATE: 10/31/01**MILESTONES/DELIVERABLES AND DATES:**

- 9/29/00 Flight Software Requirements Specification delivery for the software specified in the statement of work, above.
- 1/31/01 Flight Software Test Plan delivery
- 3/15/01 Delivery of Initial Software Documentation for the software specified in the statement of work, above.
- 3/15/01 Build 1 Test Matrix and Command, Telemetry, Software Bus, and Health&Safety Software deliveries
- 5/1/01 Build 1 Verification Test Procedures delivery
- 6/15/01 Build 2 Test Matrix and Recorder Mgmt, EDAC Mgmt, Checksum Mgmt, and Memory Dwell Software deliveries
- 9/15/01 Build 1 Verification Test Report, and Build 2 Verification Test Procedures Deliveries
- 10/27/01 Delivery of Final Software Documentation for the software specified in the statement of work, above.

PERFORMANCE STANDARDS:

Schedule: On-time delivery of above deliverables.

Technical: Acceptance of deliverables by the ATR

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

David K. Leucht, building 23, room E337